

Dec. 8, 1999

IPM Research and Development Grant Report

**Title: Breeding and Evaluation of Squash and Pumpkin for
Multiple Disease and Insect Resistance**

Principal Investigator: R. W. Robinson
Horticultural Sciences Dept.
NY State Agricultural Experiment Station
Geneva, NY 14456

Cooperators: R. Provvidenti
Plant Pathology Dept.
NY State Agricultural Experiment Station
Geneva, NY 14456

M. P. Hoffman
Entomology Dept.
Cornell University
Ithaca, NY

M. K. Jahn
Plant Breeding Dept.
Cornell University
Ithaca, NY

T. A. Zitter
Plant Pathology Dept.
Cornell University
Ithaca, NY

Abstract

The summer squash 'Whitaker', developed in a Cornell breeding program partially funded by the NYS IPM Program, is resistant to more diseases than any other squash variety. Crosses were made this year with 'Whitaker' to incorporate resistance to additional diseases and an insect into 'Whitaker' and other varieties. Resistance to watermelon mosaic virus was emphasized in the crosses and virus tests. Crosses and tests were also made for resistance to cucumber beetles.

For a printed copy of the entire report, please contact the NYS IPM office at:

IPM House
630 W. North St.
New York State Agricultural Experiment Station
Geneva NY 14456
315-878-2353